

Project Title	Funding	Strategic Plan Objective	Institution
Visual system connectivity in a high-risk model of autism	\$41,000	Q2.S.D	Children's Hospital Boston
Using zebrafish and chemical screening to define function of autism genes	\$395,497	Q4.S.B	Whitehead Institute for Biomedical Research
Using Drosophila to model the synaptic function of the autism-linked NHE9	\$75,000	Q4.S.B	Massachusetts Institute of Technology
Using CBPR to design & pilot a physical activity program for youth with ASD	\$213,706	Other	University of Massachusetts Medical School
Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	\$30,000	Q1.L.B	New England Center for Children
Understanding the cognitive impact of early life epilepsy	\$845,000	Q2.S.E	Children's Hospital Boston
Uncovering genetic mechanisms of ASD	\$150,000	Q3.L.B	Children's Hospital Boston
The role of the neurexin 1 gene in susceptibility to autism	\$0	Q3.L.B	Massachusetts General Hospital/Harvard Medical School
The neural substrates of repetitive behaviors in autism	\$54,436	Q2.Other	Boston University Medical Campus
The neural basis of sexually dimorphic brain function	\$349,395	Q2.S.B	University of Massachusetts Amherst
The mirror neuron system in the monkey and its role in action understanding	\$184,470	Q2.Other	Massachusetts General Hospital
The effects of Npas4 and Sema4D on inhibitory synapse formation	\$127,500	Q2.Other	Children's Hospital Boston
The development of face processing	\$529,515	Q1.S.B	Children's Hospital Boston
The brain genomics superstruct project	\$75,000	Q2.S.G	President & Fellows of Harvard College
Supporting the well-being of families of young children with autism spectrum disorders	\$393,019	Q4.Other	Boston Medical Center
Stimulus structure enhancement of visual symbol detection in AAC	\$150,714	Q4.Other	University of Massachusetts Medical School
Simons Simplex Collection Site	\$550,246	Q3.L.B	Children's Hospital Boston
Simons Simplex Collection Site	\$30,000	Q3.L.B	University of Massachusetts Medical School
Signatures of gene expression in autism spectrum disorders	\$150,000	Q1.L.A	Children's Hospital Boston
Services and outcomes for transition age young adults with autism spectrum disorders: Secondary analysis of the NLTS2 and RSA 911	\$100,000	Q6.Other	University of Massachusetts Boston
Role of TSC/mTOR signaling pathway in autism and autism spectrum disorders	\$172,825	Q3.L.B	Massachusetts General Hospital
Role of Pam in synaptic morphology and function	\$127,497	Q2.Other	Massachusetts General Hospital
RNA expression patterns in autism	\$739,224	Q3.L.B	Children's Hospital Boston
Repository for tissues from children with and without autism	\$25,000	Q2.S.A	Massachusetts General Hospital
Regulation of synaptogenesis by cyclin-dependent kinase 5	\$325,889	Q4.S.B	Massachusetts Institute of Technology
Recessive genes for autism and mental retardation	\$293,376	Q3.L.B	Beth Israel Deaconess Medical Center

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Rapid characterization of balanced genomic rearrangements contributing to autism	\$49,343	Q2.S.G	Massachusetts General Hospital
Quantitative analysis of craniofacial dysmorphology in autism	\$68,688	Q1.S.A	University of Massachusetts Medical School
Quality of life for children with autism spectrum disorders and their parents	\$150,000	Q5.Other	Massachusetts General Hospital
Prosodic and pragmatic processes in highly verbal children with autism	\$37,500	Q1.L.C	President & Fellows of Harvard College
Probing disrupted cortico-thalamic interactions in autism spectrum disorders	\$518,375	Q4.S.B	Children's Hospital Boston
Portable guidance in autism spectrum disorder	\$282,025	Q1.Other	SymTrend, Inc.
Plasticity in autism spectrum disorders: Magnetic stimulation studies	\$14,963	Q1.L.B	Beth Israel Deaconess Medical Center
Perturbed activity-dependent plasticity mechanisms in autism	\$301,444	Q4.S.B	Harvard Medical School
Olivocerebellar circuitry in autism	\$756,843	Q3.Other	Boston University Medical Campus
Novel methods for testing language comprehension in children with ASD	\$150,000	Q1.S.B	Boston University
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	\$303,625	Q4.S.B	Beth Israel Deaconess Medical Center
Neurobehavioral research on infants at risk for SLI and autism	\$710,348	Q1.S.B	Boston University Medical Campus
Neural substrate of language and social cognition: Autism and typical development	\$47,210	Q2.Other	Massachusetts Institute of Technology
Neural mechanisms for social cognition in autism spectrum disorders	\$229,730	Q2.Other	Massachusetts Institute of Technology
Neural and cognitive mechanisms of autism	\$1,500,000	Q4.S.B	Massachusetts Institute of Technology
Multimodal studies of executive function deficits in autism spectrum disorders	\$48,954	Q1.L.B	Massachusetts General Hospital
Multimodal neuroimaging of white matter in autism	\$472,805	Q2.S.G	Massachusetts General Hospital
Multimodal analyses of face processing in autism and Down syndrome	\$155,270	Q1.Other	University of Massachusetts Medical School
Modulation of neuronal cysteine uptake and redox status by morphine, gluten/casein-derived opiates and naltrexone	\$44,000	Q2.S.A	Northeastern University School of Pharmacy
Mice lacking Shank postsynaptic scaffolds as an animal model of autism	\$253,848	Q4.S.B	Massachusetts Institute of Technology
MEG Scanner at Martinos Imaging Center, McGovern Institute	\$250,000	Other	Massachusetts Institute of Technology
MEG investigation of the neural substrates underlying visual perception in autism	\$127,081	Q2.Other	Massachusetts General Hospital

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Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	\$0	Q3.L.C	Harvard University
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	\$0	Q3.L.C	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	\$0	Q3.L.C	Harvard University
Maternal risk factors for autism in the Nurses Health Study II &ndash; a pilot study	\$0	Q3.L.D	Harvard School of Public Health
Maternal dietary factors and risk of autism spectrum disorders	\$32,000	Q3.L.D	Harvard Medical School
Investigation of postnatal drug intervention's potential in rescuing the symptoms of fragile X syndrome in adult mice	\$30,000	Q2.S.D	Massachusetts Institute of Technology
Investigation of genes involved in synaptic plasticity in Iranian families with ASD	\$0	Q3.L.B	Massachusetts General Hospital
International Mental Health/Developmental Disabilities Research Training Program	\$188,000	Other	Children's Hospital Boston
Infrastructure support for autism research at MIT	\$1,500,000	Other	Massachusetts Institute of Technology
Influence of oxidative stress on transcription and alternative splicing of methionine synthase in autism	\$0	Q2.S.A	Northeastern University
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	\$49,000	Q2.Other	Massachusetts Institute of Technology
Identifying gastrointestinal (GI) conditions in children with autism spectrum disorders (ASD)	\$127,500	Q1.L.A	Harvard Medical School
Identification of lipid biomarkers for autism	\$249,924	Q1.L.A	Massachusetts General Hospital
Human autism genetics and activity-dependent gene activation	\$2,474,114	Q3.S.A	Children's Hospital Boston
Guiding visual attention to enhance discrimination learning	\$145,437	Q4.Other	University of Massachusetts Medical School
Genome-wide analyses of DNA methylation in autism	\$400,000	Q3.L.B	Massachusetts General Hospital
Genes disrupted by balanced genomic rearrangements in autism spectrum disorders	\$309,604	Q3.L.B	Massachusetts General Hospital
Gene expression profiling of autism spectrum disorders	\$52,000	Q3.L.B	Children's Hospital Boston
Finding autism genes by genomic copy number analysis	\$574,507	Q3.L.B	Children's Hospital Boston
Electrophysiological, metabolic and behavioral markers of infants at risk	\$92,397	Q1.L.A	Children's Hospital Boston
Development of mGluR5 antagonists to treat fragile X syndrome and autism	\$1,048,100	Q4.Other	Seaside Therapeutics, LLC
Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders	\$597,637	Q4.S.B	Massachusetts Institute of Technology

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CPEA Data Coordinating Center (supplement)	\$82,081	Other	DM-STAT, Inc.
Cortical mechanisms underlying visual motion processing impairments in autism	\$60,000	Q2.Other	Harvard Medical School/McLean Hospital
Connectopath analysis of autism	\$78,150	Q2.S.D	Harvard University
Computer adaptive testing of adaptive behavior of children and youth with autism	\$284,375	Q1.S.A	Boston University
Comprehensive follow-up of novel autism genetic discoveries	\$289,026	Q3.L.B	Massachusetts General Hospital
Comprehensive collection, charting, and communication system	\$249,940	Other	Symtrent, Inc.
Coherence and temporal dynamics in auditory cortex of children with autism	\$88,292	Q2.Other	Massachusetts General Hospital
Chromatin alterations in Rett syndrome	\$271,798	Q2.S.D	University of Massachusetts Medical School
Behavioral intervention in autism: Practitioner skills	\$527,107	Q5.L.A	Praxis, Inc.
Behavioral and sensory evaluation of auditory discrimination in autism	\$150,220	Q2.Other	University of Massachusetts Medical School
BDNF secretion and neural precursor migration	\$0	Q2.Other	Dana-Farber Cancer Institute
Autism Theory & Technology	\$10,000	Q4.Other	Massachusetts Institute of Technology Media Laboratory
Autism Intervention Research Network on Physical Health (AIR-P network)	\$3,997,824	Q4.S.A	Massachusetts General Hospital
Autism: The neural substrates of language in siblings	\$56,140	Q2.S.G	Boston University Medical Campus
Assessing a participant directed service system for low income children with ASD	\$334,359	Q5.Other	Brandeis University
A recurrent genetic cause of autism	\$400,000	Q3.L.B	Massachusetts General Hospital
Architecture of myelinated axons linking frontal cortical areas	\$54,000	Q2.Other	Boston University
A prospective multi-system evaluation of infants at risk for autism	\$0	Q1.L.B	Massachusetts General Hospital
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Analysis of the small intestinal microbiome of children with autism	\$132,750	Q2.Other	Massachusetts General Hospital
An adult brain-specific mouse model of neuronal TSC inactivation	\$60,000	Q2.S.D	Massachusetts General Hospital
A multi-site clinical randomized trial of the Hanen More Than Words Intervention	\$340,001	Q4.S.F	University of Massachusetts Boston
2/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$2,442,659	Q3.S.A	Broad Institute, Inc.

